

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/003220

## Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-17, 19-64, 66-69, 71-86 as originally filed/furnished
- pages\* 18, 65, 70 received by this Authority on 16.12.2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. 2, 6, 9 as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* 3-5, 7, 8, 10 received by this Authority on 16.12.2005
- nos.\* 1 received by this Authority on 11.05.2006
- ☒ the drawings:
- sheets fig. 1-23 as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims <u>1-10</u>	YES
		Claims _____	NO
	Inventive step (IS)	Claims _____	YES
		Claims <u>1-10</u>	NO
	Industrial applicability (IA)	Claims <u>1-10</u>	YES
		Claims _____	NO
2.	Citations and explanations (Rule 70.7)		
	Citations		
	Document 1: JP 2003-83969 A (Japan Science and Technology Corp.), 19 March 2003		
	Document 2: JP 11-512518 A (Pharmacia Biosensor m, A. B.), 26 October 1999 & WO 97/09608 A1 & US 5955729 A & EP 850407 A1		
	Explanations		
	<p>Document 1 discloses a linker compound that is capable of affixing a saccharide to a support for analyzing proteins (e.g., a surface plasmon resonance chip or the like) in a single stage; a ligand that employs said linker compound; and a support for analyzing proteins, which is obtained by affixing said ligands upon the surface of a support member. On the other hand, the inventions set forth in the present international application differ from the invention disclosed in document 1 with regards to the type of saccharide that is affixed thereto. However, the saccharides with a reducing terminal that are employed in the inventions set forth in the present application are well known, and the saccharide that bonds to the aromatic amino group (i.e.,</p>		

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	<p>one moiety of the linker compound) in the invention disclosed in document 1 is a glucose, which is to say a sugar that has a reducing terminal. Such being the case, it is not considered to require significant creative ability for a person skilled in the art to conceive of configuring so that the saccharide in the invention disclosed in document 1 is a well-known saccharide that has a reducing terminal; consequently, the inventions set forth in claims 1 to 9 do not involve an inventive step.</p> <p>In addition, document 2 discloses a feature wherein the sample is subjected to a mass spectrometry analysis subsequent to the completion of the surface plasmon resonance measurements; consequently, the invention set forth in claim 10 does not involve an inventive step.</p>